

## NEWS RELEASE

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### **Anritsu Company Introduces “D” Series of Lightning Vector Network Analyzers**

*—New Models Offer Improved Performance, Updated Interfaces, Expanded Software Applications, and Ethernet Connectivity for Analyzing Active and Passive Devices —*

**Morgan Hill, CA (October 12, 2004)** – Anritsu Company introduces the 37000D series of Lightning Vector Network Analyzers (VNAs). Covering four frequency ranges up to 65 GHz, the new “D” series delivers improved performance, updated interfaces, expanded software applications, and Ethernet connectivity. The overall performance of the “D” series makes these VNAs well suited for measuring active and passive devices used in emerging applications, such as high-speed wireless networks and Ka-Band satellite communications systems, during R&D and production.

The 37300D is a premium series that has four models covering 20 GHz, 40 GHz, 50 GHz, and 65 GHz. Designed for measuring S-parameters of active and passive devices such as amplifiers, mixers, and up/down converters, these two-port VNAs include step attenuators, bias tees, extended level control, and power sweep as standard features. Dynamic range is improved to 108 dB at 20 GHz, 101 dB at 40 GHz, and 95 dB at 50 GHz.

For applications requiring analysis of only passive devices, Anritsu developed the Lightning 37200D economy series. Also consisting of four models at 20 GHz, 40 GHz, 50 GHz, and 65 GHz, these two-port VNAs conduct highly accurate S-parameter tests on filters, isolators, circulators, and attenuators. The Lightning 37200D series has been enhanced with a high power switch filter that matches the output power of the 37300D series. The result is improved system dynamic range – by as much as 20 dB in some bands. The 37200D VNAs are economical choices for passive applications where power control is not required, while still providing the other application features and upgrade paths of the new “D” series.

(more)

All of the “D” series models have an option for front panel loops. With the Flexible Test Set option, users have direct access to all four receiver channels. It also includes two source auxiliary loops to add external amplifiers for higher source power. The option is especially useful for measuring mixers, antennas, and integrating external test sets.

The inclusion of an Ethernet port on the Lightning “D” series provides a number of benefits. It allows for fast data transfer and enables remote operation of the VNA from anywhere. To activate this capability, the VNAs have a new menu that includes IP addressing so that the “D” series can be connected to a network.

Two new integrated software applications come standard with the Lightning “D” series. An NxN calibration utility provides complete menus to perform error correction calibration for mixer measurements. It guides the user through measurement of three mixer pairs, with one mixer selected as the reference. The Embed/De-embed Application allows embedding/de-embedding of complete S2P networks for in-fixture measurements. Embedding/de-embedding can also be applied to a calibration and saved to the VNA’s hard drive or a disk for future measurements.

A number of accessories are also available for use with the Lightning “D” series. The *Navigator*<sup>™</sup> Multiport software, which can be downloaded free from [www.us.anritsu.com/Navigator](http://www.us.anritsu.com/Navigator), provides a Windows-based user interface for single-ended and balanced differential S-parameter measurements. Other accessories include coax calibration kits, AutoCal<sup>®</sup> modules, optoelectronic calibration modules, and multiport test sets up to 65 GHz.

Delivery is 4 to 6 weeks ARO.

### **About Anritsu**

Anritsu Company is the American subsidiary of Anritsu Corporation, a global provider of innovative solutions for more than 100 years. With offices throughout the United States, as well as in Canada, Central America, and South America, Anritsu Company provides solutions for existing and next-generation wired and wireless communication systems. Its measurement solutions include optical, microwave/RF, wireless and digital instruments that can be used during R&D, manufacturing, installation, and maintenance. Anritsu Company also provides precision microwave/RF components, optical devices, and high-speed devices for design into communication products and systems.

For more information, please visit [www.us.anritsu.com](http://www.us.anritsu.com).

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